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5 JUN 1962

**MEMORANDUM FOR :** Acting Director of Central Intelligence

**SUBJECT :** USAF Investigation of Thermal Instability  
with MIL-F-25524A Fuel

**REFERENCE :** Memo for LCI from Under Sec/AF, dtd  
27 Apr 62 (ER-62-2750)

1. This memorandum is for your information.
2. A copy of the USAF/OSI investigation into the problem of thermal instability with MIL-F-25524A fuel has been received by this office. There is attached (Tab A), a copy of the "Summary of Investigation" from this report for your information.
3. It is noted that the report concludes sabotage was not a causal factor in recent failures experienced with subject fuel. The evidence developed suggests, rather, that some unknown contaminant is inadvertently being introduced into the fuel causing a deterioration of its thermal stability.
4. The directed actions made by the Inspector General/USAF (Tab B), as a result of this investigation are in process of being implemented by USAF/AFCIG-5 and this office. In addition, a research contract has been let by USAF in an effort to determine if some yet unknown substance, present in certain oil crudes, is responsible for the loss of thermal stability. The Agency will be advised of the results of this research effort.

Signed Herbert Scoville, Jr.

HERBERT SCOVILLE, JR.

Deputy Director  
(Research)

cc: Exec Director (Cy 4)

**Attachments**

Tab A - Summary Rept

Tab B [ ] Series C

Signature Recommended:

STANLEY W. BEERLI

Colonel, USAF

Acting Chief, DPE

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